

Please amend claims 1-4, 6-7, and 9 as follows:

Claims:

1. (currently amended) ~~A parallel kinematic machine having a machine-connected positioning head and at least three machine setting devices, said parallel kinematic machine comprising at least three joints, each of which connects a respective machine setting device to the machine-connected positioning head and;~~

a machine-connected positioning head connected to at least three arm joints, each arm joint (i) defining a main axis about which it can rotate and (ii) comprising a wobbler;
and

at least three machine setting devices, each machine setting device comprising a piston, each piston comprising a distal end displaceable axially in a cylinder, and each distal end connected to one of each of the at least three arm joints;

wherein each wobbler (i) includes an external bearing mounting surface on which the distal end of the respective machine-setting device is mounted and (ii) defines a wobbler axis about which the respective machine setting device can rotate; and

wherein each arm joint cooperates with said other arm joints in said parallel kinematic machine to move said machine-connected positioning head in space, said joints each comprising a wobbler that (1) is mounted to the respective machine setting device and allows rotation of the respective machine setting device about a wobbler axis, (2) is, in turn, mounted for rotation about a main axis that extends through a setting device bearing means around the wobbler, and (3) includes an external bearing mounting surface or an external bearing surface on which its respective setting device is mounted.

2. (currently amended) A parallel kinematic machine according to claim 1, ~~characterized in that the joints are disposed between the setting devices and the machine-connected positioning head or, alternatively, between the setting devices or a frame,~~ wherein each of the at least three arm joints further comprise a one end of each setting device is mounted for rotation about which, in turn, is rotatably mounted via joint mounting means on opposing sides of each the wobbler for mounting each wobbler to the

machine-connected positioning head ~~or to the frame or both~~ for rotation about said main axis.

3. (currently amended) A parallel kinematic machine according to claim 1, characterized in that, for each arm joint, the wobbler axis and the main axis mutually intersect at an angle α , where $1^\circ \leq \alpha \leq 45^\circ$.

4. (currently amended) A parallel kinematic machine according to claim 1, characterized in that, for each arm joint, the wobbler axis and the main axis mutually intersect at an angle α , where $5^\circ \leq \alpha \leq 20^\circ$.

5. (canceled)

6. (currently amended) A parallel kinematic machine according to claim 1, wherein each of the at least three arm joints further comprises:

a joint mounting means on opposing sides of each wobbler for mounting each wobbler to the machine-connected positioning head for rotation about said main axis; and

a supporting shaft disposed between the joint mounting means and the wobbler;
and

wherein characterized in that each joint the wobbler is firmly connected to the a supporting shaft which has two ends that are rotatably connected to the joint mounting means positioning head and/or the frame.

7. (currently amended) A parallel kinematic machine according to claim 1, wherein each of the at least three arm joints further comprises:

a joint mounting means on opposing sides of each wobbler for mounting each wobbler to the machine-connected positioning head; and

a supporting shaft disposed between the joint mounting means and the wobbler;
and

wherein characterized in that each joint the wobbler is rotatably connected to the a supporting shaft which includes two ends of which at least one end is connected to the joint mounting means positioning head and/or the frame.

8. (previously presented) A parallel kinematic machine according to claim 7, characterized in that one end of the supporting shaft is inserted in a first joint mounting means which is secured axially by a clamp coupling; and in that the other end of the supporting shaft is firmly connected to a second joint mounting means.

9. (currently amended) A parallel kinematic machine according to claim 1, wherein each of the at least three arm joints further comprises:

a joint mounting means on opposing sides of each wobbler for mounting each wobbler to the machine-connected positioning head; and

a supporting shaft disposed between the joint mounting means and the wobbler;
and

wherein for each joint, the wobbler axis and the main axis mutually intersect at an angle α , and wherein the ~~characterized in that an angle α is orientated in relation to the a~~ supporting shaft ~~when the machine setting device is fitted to the machine-connected positioning head and/or a frame,~~ so as to permit tilting between the machine setting devices and their respective wobblers by a rotation of the wobblers about the main axis.